

Via UPS

July 30, 2018

Air Program Manager ND Department of Health Division of Air Quality 918 E. Divide Avenue Bismarck, ND 58501-1947 RECEIVED

AUG 2 - 2018

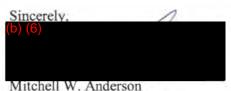
Office of Ende / ent Compliance & Environmental Justice

RE: Semiannual Leak Detection and Repair (LDAR) Monitoring Report Targa Badlands Little Missouri Gas Plant, T5-O15001 McKenzie County, North Dakota

Dear Mr. Rookey:

Find enclosed the semi-annual monitoring report for Targa Badlands Little Missouri Gas Plant I, II, and III. This report covers the period of January 1, 2018 to June 30, 2018 per NSPS Subpart KKK, Subpart OOOO and Subpart OOOOa regulations.

If you have any questions, or need additional information, please contact me via email at mitchellanderson@targaresources.com or cellular phone (701) 770-0115.



Sr. Environmental Specialist

Cynthia Reynolds – USEPA Region 8 - Denver, CO Via UPS David Low, Targa Badlands Area Manager – Watford City, ND Shane Tribe, Targa ESH Manager – Denton, TX



Mr. Mitch Anderson Senior Environmental Specialist Targa Resources 1939 125th Avenue NW Watford City, ND 58854-9248

RE: Semiannual Leak Detection and Repair (LDAR) Monitoring Report, Little Missouri I Natural Gas Processing Facility (Little Missouri I), McKenzie County, North Dakota

Dear Mr. Anderson:

During January 1, 2018 through June 30, 2018, Trihydro Corporation (Trihydro) completed routine monthly monitoring for fugitive emissions as required by the LDAR program for Little Missouri I natural gas processing facility located in McKenzie County, ND. The monitoring activities were completed to satisfy the requirements of the New Source Performance Standards (NSPS) Subpart KKK, Subpart OOOO, and Subpart OOOOa regulations. This report serves as the documentation required for submittal to the regulatory agencies for the January through June 2018 monitoring period.

NSPS Subpart KKK, OOOO, and OOOOa Requirements

Subpart KKK, OOOO, and OOOOa requires that a semiannual report be submitted for each process unit and month within the reporting period. The semiannual report must include:

- The number of valves, pressure relief devices (PRDs), pumps, compressors, and connectors (OOOO and OOOOa) for which leaks were detected.
- The number of valves, PRDs, pumps, compressors, and connectors (OOOO and OOOOa) for which leaks were not repaired as required or placed on the delay of repair (DOR) list.
- The facility is required to report the reasons for each DOR and the dates of process unit shutdowns that occurred within the reporting period.
- Revisions to the component inventory.

Results

The Little Missouri I facility consists of five process units subject to the Subpart KKK regulation, two process units subject to the Subpart OOOO regulation, and two process units subject to the Subpart OOOOa regulation. Trihydro personnel monitored components in volatile organic compound service or

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - KKK

Targa Resources

Site:

Little Missouri I

Unit:

DEETH SK

# Components:	Valves	64	Pumps	: 2	Compress	sors: 0	PI	₹Vs: 0
# Added: # Perm. OOS:		0 0	·	0 0	 	0 0		0 0
Month:	Leaking:	Not Repaired in Repair Period:						
January 2018	0	0	0	0	0	0	0	0
February 2018	0	0	0	0	0	0	0	0
March 2018	0	0	0	0	0	0	0	0
April 2018	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0
June 2018	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - KKK

Targa Resources

Site:

Little Missouri I

Unit:

LOADING

# Components:	Valves	s: 50	Pumps	: 0	Compres	sors: 0	P	RVs: 3
# Added: # Perm. OOS:		0 0		0 0		0 0		0
Month:	Leaking:	Not Repaired in Repair Period:						
January 2018	0	0	0	0	0	0	0	0
February 2018	0	0	0	0	0	0	0	0
March 2018	0	0	0	0	0	0	0	0
April 2018	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0
June 2018	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri I

Unit:

FLARE

Count:	Valve	s: 27	Pump	s: 3	Compres	ssors: 0	PRV	s: 0	Connec	ctors: 35
# Added:		0		0		0		0	ļ	0
# Removed:		0		0		0		0		0
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	0	0	0	0	0	0	0	0	0	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0	0	0
Jun 2018	0	0	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:

ATTACHMENT B EPA CDX REPORTING TABLE



Mr. Mitch Anderson Senior Environmental Specialist Targa Resources 1939 125th Ave. NW Watford City, ND 58854

RE: Semiannual Leak Detection and Repair (LDAR) Monitoring Report, Little Missouri II Natural Gas Processing Facility, McKenzie County, North Dakota

Dear Mr. Anderson:

During January 1, 2018 through June 30, 2018, Trihydro Corporation (Trihydro) completed routine monthly monitoring for fugitive emissions as required by the LDAR program for Little Missouri II (Little Missouri II) natural gas processing facility located in McKenzie County, ND. The monitoring activities were completed to satisfy the requirements of the New Source Performance Standard (NSPS) Subpart OOOO regulation. This report serves as the documentation required for submittal to the regulatory agencies for the January through June 2018 monitoring period.

NSPS Subpart OOOO Requirements

NSPS Subpart OOOO requires that a semiannual report be submitted for each process unit and month within the reporting period. The semiannual report must include:

- The number of valves, pressure relief devices (PRDs), pumps, compressors, and connectors for which leaks were detected.
- The number of valves, PRDs, pumps, compressors, and connectors for which leaks were not repaired as required or placed on the delay of repair (DOR) list.
- The facility is required to report the reasons for each DOR and the dates of process unit shutdowns that occurred within the reporting period.
- Revisions to the component inventory.

Subpart OOOO Results

The Little Missouri II facility consists of seven process units subject to the Subpart OOOO regulation. Trihydro personnel monitored components in volatile organic compound service and in wet gas service, in accordance with United States Environmental Protection Agency Method 21 protocol.

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri II

Unit:

CRYO

Count:	Valve	s: 478	Pump	s: 0	Compres	ssors: 0	PRV	's: 3	Connec	tors: 1073
# Added:	1	0		0	İ	0		0	1	0
# Removed:		0		0		00		0		0
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:						
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	0	0	0	0	0	0	0	0	0	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0	0	0
Jun 2018	0	0	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri II

Unit:

GLY SKID

Count:	Valve	s: 216	Pump	s: 4	Compres	ssors: 0	PRV	's: 2	Connec	ctors: 507
# Added: # Removed:		12 5		0		0		0		42 9
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:						
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	0	0	0	0	0	0	0	0	0	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0	0	0
Jun 2018	1	0	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri II

Unit:

METHANOL

Count:	Valve	s: 13	Pump	s: 3	Compres	ssors: 0	PRV	's: 0	Connec	ctors: 91
# Added: # Removed:		0		0		0		0	İ	0
# Removed.	}	, U	ļ	0	ļ	,	ļ	,0	}	, 0
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	0	0	0	0	0	0	0	0	1	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0	0	0
Jun 2018	0	0	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:



Mr. Mitch Anderson Senior Environmental Specialist Targa Resources 1939 125th Avenue NW Watford City, ND 58854

RE: Semiannual Leak Detection and Repair Monitoring Report, Little Missouri III Natural Gas Processing Facility (Little Missouri III), McKenzie County, North Dakota

Dear Mr. Anderson:

During January 1, 2018 through June 30, 2018, Trihydro Corporation (Trihydro) completed routine monthly monitoring for fugitive emissions as required by the Leak Detection and Repair (LDAR) program for Little Missouri III natural gas processing facility, including the Smokey Compressor Station, located in McKenzie County, ND. The monitoring activities were completed to satisfy the requirements of the New Source Performance Standards (NSPS) Subpart OOOO regulation. This report serves as the documentation required for submittal to the regulatory agencies for he January through June 2018 monitoring period.

Regulatory Requirements

Subpart OOOO require that a semiannual report be submitted for each process unit and month within the reporting period. The semiannual report must include:

- Number of valves, pressure relief devices (PRDs), pumps, compressors, and connectors for which leaks were detected.
- The number of valves, PRDs, pumps, compressors, and connectors for which leaks were not repaired as required or placed on the delay of repair (DOR) list.
- The facility is required to report the reasons for each DOR, the dates of process unit shutdowns that occurred within the reporting period.
- Revisions to the component inventory.

Subpart 0000 Results

The Little Missouri III facility consists of eight process units subject to the Subpart OOOO regulation. Trihydro personnel monitored components in volatile organic compound service and in wet gas service, in accordance with United States Environmental Protection Agency Method 21 protocol.

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri III

Unit:

CRYO

Count:	Valve	s: 488	Pump	s: 6	Compres	ssors: 2	PRV	's: 8	Connec	tors: 739
# Added: # Removed:		0		1 0		0		0		0
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	1	0	0	0	0	0	0	0	0	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	2	1	0	0	0	0	0	0	0	0
Jun 2018	0	0	0	0	0	0	0	0	0	0

Delay of Repairs:

Area: Tag: Leak Date: Repair Date: Type: Reason:

CRYO 133483-000 5/1/2018 Not Repaired VLV REPAIR INFEASIBLE W/O SHUTDOWN

Late Repairs:

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri III

Unit:

INLET

Count:	Valve	s: 68	Pump	s: 0	Compres	ssors: 0	PRV	's: 2	Connec	ctors: 72
# Added:		0		0		0		0		0
# Removed:		0		0		0		00		0_
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	0	0	0	0	0	0	0	0	0	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0	0	0
Jun 2018	0	0	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri III

Unit:

PROPANE

Count:	Valve	s: 85	Pump	s: 0	Compres	ssors: 1	PRV	's: 0	Connec	tors: 102
# Added: # Removed:		0 0		0 0		0		0		0
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:						
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	0	0	0	0	0	0	0	0	0	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0	0	0
Jun 2018	2	0	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:

From: 1/1/2018 To: 6/30/2018, Rule: NSPS - OOOO

Targa Resources

Site:

Little Missouri III

Unit:

TANK FARM

Count:	Valve	s: 66	Pump	s: 0	Compres	sors: 0	PRV	's: 0	Connec	ctors: 209
# Added:		0		0		0	1	0		0
# Removed:		0		0		0		0		0
Month:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:	Leaking:	Not Repaired in Repair Period:
Jan 2018	0	0	0	0	0	0	0	0	0	0
Feb 2018	0	0	0	0	0	0	0	0	0	0
Mar 2018	0	0	0	0	0	0	0	0	0	0
Apr 2018	0	0	0	0	0	0	0	0	0	0
May 2018	0	0	0	0	0	0	0	0	0	0
Jun 2018	0	0	0	0	0	0	0	0	0	0

Delay of Repairs:

No Delay of Repairs Performed.

Late Repairs:



Mr. Mitch Anderson Senior Environmental Specialist Targa Resources 1939 125th Avenue NW Watford City, ND 58854

RE: Semiannual Leak Detection and Repair Monitoring Report, Little Missouri III Natural Gas Processing Facility (Little Missouri III), McKenzie County, North Dakota

Dear Mr. Anderson:

During January 1, 2018 through June 30, 2018, Trihydro Corporation (Trihydro) completed routine monthly monitoring for fugitive emissions as required by the Leak Detection and Repair (LDAR) program for Little Missouri III natural gas processing facility, including the Smokey Compressor Station, located in McKenzie County, ND. The monitoring activities were completed to satisfy the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) Maximum Achievable Control Technology (MACT) Subpart HH regulation. This report serves as the documentation required for submittal to the regulatory agencies for he January through June 2018 monitoring period.

Regulatory Requirements

Subpart HH requires that a semiannual report be submitted for each process unit and month within the reporting period. The semiannual report must include:

- Number of valves, pressure relief devices (PRDs), pumps, and compressors for which leaks were detected.
- The number of valves, PRDs, pumps, and compressors for which leaks were not repaired as required or placed on the delay of repair (DOR) list.
- The facility is required to report the reasons for each DOR, the dates of process unit shutdowns that occurred within the reporting period.
- Revisions to the component inventory.

Subpart HH Results

Trihydro personnel monitored components in volatile hazardous air pollutant (VHAP) service with concentrations greater than 10 percent by weight, in accordance with United States Environmental Protection Agency Method 21 protocol.